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ABSTRACT

5 An adsorbent structure including a honeycomb
structure having a periphery and two ends, the honeycomb
structure having a plurality of passages which are
defined by partition walls and extend in an axial
direction between the ends, and a composition including
zeolite coated on the partition walls. The zeolite may
be a high-silica zeolite having a Si/Al ratio of not less
than 40. The composition may include a mixture of
10 zeolite and heat-resistant oxide loaded with a noble
metal, and the zeolite may also be loaded with a noble
metal. Further, the composition may include two layers,
a first layer comprising zeolite, and a second layer
comprising a heat-resistant oxide loaded with a noble
15 metal. The first layer comprising zeolite may be loaded
with a noble metal.

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